Land Application Discharge Permit

This State Permit Certifies That

JACABB UTILITIES, LLC/Northwest WWTP at Cliffs Mountain Park

has been granted permission to discharge treated wastewater from a facility located at

approx. 4400 ft north of SC Hwy 11 and approx. 1,000 ft west of River Rd

Greenville County

to property located at

30.1 acres dedicated drip fields (identified as drip fields 1A, 1B, 1C, 1D, 1D-X and 1D-Y) directly behind plant

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II, III, IV and V hereof. This permit is issued in accordance with the provisions of the Pollution Control Act of South Carolina (S.C. Code Sections 48-1-10 et seq., 1976), Regulation 61-9 and with the provisions of the Federal Clean Water Act (PL 92-500), as amended, 33 U.S.C. 1251 et seq., the "Act."

Jeffrey P. deBessonet, P.E., Director Water Facilities Permitting Division Bureau of Water

Expires:

Effective: Permit No.: ND0086711



and Environmental Control

TABLE OF CONTENTS

PART	[I. Definitions	3
PART	TII. Standard Conditions	6
A.	Duty to comply	6
В.	Duty to reapply	6
C.	Need to halt or reduce activity not a defense	6
D.	Duty to mitigate	7
E.	Proper operation and maintenance	7
F.	Permit actions	8
G.	Property rights	8
Н.	Duty to provide information	8
I.	Inspection and entry	8
J.	Monitoring and records	8
K.	Signatory requirement	10
L.	Reporting requirements	11
M.	Bypass	15
N.	Upset	16
0.	Misrepresentation of Information	16
Part I	II. Limitations and Monitoring Requirements	18
A.	Effluent Limitations and Monitoring Requirements	18
В.	Whole Effluent Toxicity Limitations and Monitoring Requirements	20
C.	Groundwater Requirements	20
D.	Sludge Disposal Requirements	20
E.	Land Application Requirements	20
F.	Macroinvertebrate Assessment	21
Part I	V. Schedule of Compliance	22
Part V	V. Other Requirements	23
A.	Effluent Limitations and Monitoring Requirements	23
В.	[Reserved]	23
C.	Groundwater Requirements	23
D.	Sludge Disposal Requirements	23
E.	Land Application	26
F.	Pretreatment	27
G.	Additional Operational Requirements	28

Part I Page 3 of 28 Permit No. ND0086711

PART I. Definitions

Any term not defined in this Part has the definition stated in the South Carolina Pollution Control Act (PCA) or in "Water Pollution Control Permits", R.61-9 or its normal meaning.

- A. The "Act", or CWA shall refer to the Clean Water Act (Formerly referred to as the Federal Water Pollution Control Act) Public Law 92-500, as amended means the Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub. L. 92-500, as amended by Pub. L. 95-217, Pub. L. 95-576, Pub. L. 96-483, and Pub. L. 97-117, 33 U.S.C. 1251 et seq. Specific references to sections within the CWA will be according to Pub. L. 92-500 notation.
- B. The "arithmetic mean" of any set of values is the summation of the individual values divided by the number of individual values.
- C. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.
- D. A "composite sample" shall be defined as one of the following four types:
 - 1. An influent or effluent portion collected continuously over a specified period of time at a rate proportional to the flow.
 - 2. A combination of not less than 8 influent or effluent grab samples collected at regular (equal) intervals over a specified period of time and composited by increasing the volume of each aliquot in proportion to flow. If continuous flow measurement is not used to composite in proportion to flow, the following method will be used: An instantaneous flow measurement should be taken each time a grab sample is collected. At the end of the sampling period, the instantaneous flow measurements should be summed to obtain a total flow. The instantaneous flow measurement can then be divided by the total flow to determine the percentage of each grab sample to be combined. These combined samples form the composite sample.
 - 3. A combination of not less than 8 influent or effluent grab samples of equal volume but at variable time intervals that are inversely proportional to the volume of the flow. In other words, the time interval between aliquots is reduced as the volume of flow increases.
 - 4. If the effluent flow varies by less than 15 percent, a combination of not less than 8 influent or effluent grab samples of constant (equal) volume collected at regular (equal) time intervals over a specified period of time. (This method maybe used with prior Department approval.)
 - All samples shall be properly preserved in accordance with Part II.J.4. Continuous flow or the sum of instantaneous flows measured and averaged for the specified compositing time period shall be used with composite results to calculate mass.
- E. "Daily discharge" means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the day.

- F. "Daily maximum" is the highest average value recorded of samples collected on any single day during the calendar month.
- G. "Daily minimum" is the lowest average value recorded of samples collected on any single day during the calendar month.
- H. The "Department" or "DHEC" shall refer to the South Carolina Department of Health and Environmental Control.
- I. The "geometric mean" of any set of values is the Nth root of the product of the individual values where N is equal to the number of individual values. The geometric mean is equivalent to the antilog of the arithmetic mean of the logarithms of the individual values. For purposes of calculating the geometric mean, values of zero (0) shall be considered to be one (1).
- J. A "grab sample" is an individual, discrete or single influent or effluent portion of at least 100 milliliters collected at a time representative of the discharge and over a period not exceeding 15 minutes and retained separately for analysis.
- K. The "instantaneous maximum or minimum" is the highest or lowest value recorded of all samples collected during the calendar month.
- L. The "monthly average", other than for fecal coliform and enterococci, is the arithmetic mean of all samples collected in a calendar month period. The monthly average for fecal coliform and enterococci bacteria is the geometric mean of all samples collected in a calendar month period. The monthly average loading is the arithmetic average of all daily discharges made during the month.
- M. "POTW" means a treatment works as defined by section 212 of the Clean Water Act, which is owned by a state or municipality (as defined by section 502[4] of the CWA). This definition includes any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of a liquid nature or a regional entity composed of tow (2) or more municipalities or parts thereof. It also includes sewers, pipes and other conveyances only if they convey wastewater to a POTW Treatment Plant. The term also means the municipality, as defined in section 502(4) of the CWA, which has jurisdiction over the Indirect Discharges to and the discharge from such a treatment works.
- N. "Practical Quantitation Limit (PQL)" is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. It is the concentration in a sample that is equivalent to the concentration of the lowest calibration standard analyzed by a specific analytical procedure, assuming that all the method-specific sample weights, volumes, and processing steps have been followed. It is also referred to as the reporting limit.
- O. "Privately owned treatment works" means any device or system which both is used to treat wastes from any facility whose operator is not the operator of the treatment works and is not a POTW.
- P. "Quarter" is defined as the first three calendar months beginning with the month that this permit becomes effective (unless otherwise specified in this permit) and each group of three calendar months thereafter.
- Q. "Quarterly average" is the arithmetic mean of all samples collected in a quarter.

Part I Page 5 of 28 Permit No. ND0086711

- R. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- S. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
- T. "Weekly average", is the arithmetic mean of all the samples collected during a one-week period. For self-monitoring purposes, weekly periods in a calendar month are defined as three (3) consecutive seven-day intervals starting with the first day of the calendar month and a fourth interval containing seven (7) days plus those days beyond the 28th day in a calendar month. The value to be reported is the single highest of the four (4) weekly averages computed during a calendar month. The weekly average loading is the arithmetic average of all daily discharges made during the week.



PART II. Standard Conditions

A. Duty to comply

The permittee must comply with all conditions of the permit. Any permit noncompliance constitutes a violation of the Clean Water Act and the Pollution Control Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. The Department's approval of wastewater facility Plans and Specifications does not relieve the permittee of responsibility to meet permit limits.

- a. The permittee shall comply with effluent standards or prohibitions established under section 307(a) of the Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under section 405(d) of the CWA within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if the permit has not yet been modified to incorporate the requirement.
 - b. It is the responsibility of the permittee to have a treatment facility that will meet the final effluent limitations of this permit. The approval of plans and specifications by the Department does not relieve the permittee of responsibility for compliance.
- 2. Failure to comply with permit conditions or the provisions of this permit may subject the permittee to civil penalties under S.C. Code Section 48-1-330 or criminal sanctions under S.C. Code Section 48-1-320. Sanctions for violations of the Federal Clean Water Act may be imposed in accordance with the provisions of 40 CFR Part 122.41(a)(2) and (3).
- 3. A person who violates any provision of this permit, a term, condition or schedule of compliance contained within a valid ND permit, or the State law is subject to the actions defined in the State law.

B. Duty to reapply

- 1. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. Any POTW with a current effective permit shall submit a new application at least 180 days before the expiration date of the existing permit, unless permission for a later date has been granted by the Department. (The Department shall not grant permission for applications to be submitted later than the expiration date of the existing permit)
- 2. If a privately owned treatment works as defined in Part I.N, wishes to continue an activity regulated by this permit after the expiration date of this permit, the privately owned treatment works must apply for and obtain a new permit. A privately owned treatment works with a currently effective permit shall submit a new application 180 days before the existing permit expires, unless permission for a later date has been granted by the Department. The Department may not grant permission for applications to be submitted later than the expiration date of the existing permit.

C. Need to halt or reduce activity not a defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

Part II Page 7 of 28 Permit No. ND0086711

D. Duty to mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

E. Proper operation and maintenance

1. The permittee shall at all times properly operate and maintain in good working order and operate as efficiently as possible all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes effective performance based on design facility removals, adequate funding, adequate operator staffing and training and also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

Power Failures.

In order to maintain compliance with effluent limitations and prohibitions of this permit, the permittee shall either:

- a. provide an alternative power source sufficient to operate the wastewater control facilities;
- or have a plan of operation which will halt, reduce, or otherwise control production and/or all discharges upon the reduction, loss, or failure of the primary source of power to the wastewater control facilities.
- 3. The permittee shall develop and maintain at the facility a complete Operations and Maintenance Manual for the waste treatment facilities and/or land application system. The manual shall be made available for on-site review during normal working hours. The manual shall contain operation and maintenance instructions for all equipment and appurtenances associated with the waste treatment facilities and land application system. The manual shall contain a general description of: the treatment process(es), the operational procedures to meet the requirements of (E)(1) above, and the corrective action to be taken should operating difficulties be encountered.
- 4. The permittee shall provide for the performance of daily treatment facility inspections by a certified operator of the appropriate grade as specified in Part V. The inspections shall include, but should not necessarily be limited to, areas which require visual observation to determine efficient operation and for which immediate corrective measures can be taken using the O & M manual as a guide. All inspections shall be recorded and shall include the date, time, and name of the person making the inspection, corrective measures taken, and routine equipment maintenance, repair, or replacement performed. The permittee shall maintain all records of inspections at the permitted facility as required by the permit, and the records shall be made available for on-site review during normal working hours.
- 5. The name and grade of the operator of record shall be submitted to DHEC/Bureau of Water/Water Pollution Control Division prior to placing the facility into operation. A roster of operators associated with the facility's operation and their certification grades shall also be submitted with the name of the "operator-in-charge". Any changes in operator or operators shall be submitted to the Department as they occur.

F. Permit actions

This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

G. Property rights

This permit does not convey any property rights of any sort, or any exclusive privilege nor does it authorize any injury to persons or property or invasion of other private rights, or any infringement of State or local law or regulations.

H. Duty to provide information

The permittee shall furnish to the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The permittee shall also furnish to the Department upon request, copies of records required to be kept by this permit.

I. Inspection and entry

The permittee shall allow the Department, or an authorized representative (including an authorized contractor acting as a representative of the Department), upon presentation of credentials and other documents as may be required by law, to:

- 1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- 2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- 3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- 4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act and Pollution Control Act, any substances or parameters at any location.

J. Monitoring and records

1. a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

b. Flow Measurements

Where primary flow meters are required, appropriate flow measurement devices and methods consistent with accepted scientific practices shall be present and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements is consistent with the

Part II Page 9 of 28 Permit No. ND0086711

accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of not greater than 10 percent from the true discharge rates throughout the range of expected discharge volumes. The primary flow device, where required, must be accessible to the use of a continuous flow recorder.

- c. The permittee shall maintain all records of inspections at the permitted facility as required by the permit, and the records shall be made available for on-site review during normal working hours.
- 2. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years (or longer as required by R.61-9.503 or R.61-9.504), the permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report or application. This period may be extended by request of the Department at any time.
- 3. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The individual(s) who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
- 4. a. Analyses for required monitoring must be conducted according to test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal specified in R.61-9.503, unless other test procedures have been specified in the permit
 - b. Unless addressed elsewhere in this permit, the permittee shall use a sufficiently sensitive analytical method for each sample that achieves a value below the derived permit limit stated in Part III. If more than one method of analysis is approved for use, the Department recommends for reasonable potential determinations that the permittee use the method having the lowest practical quantitation limit (PQL) unless otherwise specified in Part V of the permit. For the purposes of reporting analytical data on the Discharge Monitoring Report (DMR):
 - (1) Analytical results below the PQL from methods available in 40 CFR 136 or otherwise specified in the permit shall be reported as zero (0), provided the PQL is below the value specified in Part V.G.5 and the result is also below the PQL. Zero (0) shall also be used to average results which are below the PQL. When zero (0) is reported or used to average results, the permittee shall report, in the "Comment Section" or in an attachment to the DMR, the analytical method used, the PQL achieved, and the number of times results below the PQL were reported as zero (0).

Part II
Page 10 of 28
Permit No. ND0086711

- (2) Analytical results above the PQL from methods available in 40 CFR 136 or otherwise specified in the permit shall be reported as the value achieved, even if the PQL is below the value specified in Part V.G.5. When averaging results using a value containing a < the average shall be calculated using the value and reported as < the average of all results collected.</p>
- (3) Mass values shall be calculated using the flow taken at the time of the sample and either the concentration value actually achieved or the value as determined from the procedures in (1) or (2) above, as appropriate.
- 5. The PCA provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$25,000 or by imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment provided by the Clean Water Act is also by imprisonment of not more than 4 years.

K. Signatory requirement

- 1. All applications, reports, or information submitted to the Department shall be signed and certified.
 - a. Applications. All permit applications shall be signed as follows:
 - (1) For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:
 - (a) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or
 - (b) The manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
 - (2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
 - (3) For a municipality, State, Federal, or other public agency or public facility: By either a principal executive officer, mayor, or other duly authorized employee or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:
 - (a) The chief executive officer of the agency, or
 - (b) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator, Region IV, EPA).

- b. All reports required by permits, and other information requested by the Department, shall be signed by a person described in Part II.K.1.a of this section, or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - (1) The authorization is made in writing by a person described in Part II.K.1.a of this section;
 - (2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.) and,
 - (3) The written authorization is submitted to the Department.
- c. Changes to authorization. If an authorization under Part II.K.1.b of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of Part II.K.1.b of this section must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.
- d. Certification. Any person signing a document under Part II.K.1.a or b of this section shall make the following certification: "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."
- 2. The PCA provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than \$25,000 per violation, or by imprisonment for not more than two years per violation, or by both. Dian

L. Reporting requirements

1. Planned changes

The permittee shall give written notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:

- a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in R 61-9.122.29(b); or
- b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under Part II.L.8 of this section.

Part II
Page 12 of 28
Permit No. ND0086711

c. The alteration or addition results in a significant change in the permittee's sewage sludge or industrial sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan (included in the ND permit directly or by reference);

2. Anticipated noncompliance

The permittee shall give advance notice to DHEC/Bureau of Water/Water Pollution Control Division of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

3. Transfers

This permit is not transferable to any person except after notice to DHEC/Bureau of Water/NPDES Administration Section. The Department may require modification or revocation and reissuance of the permit to change the name of permittee and incorporate such other requirements as may be necessary under the Pollution Control Act and the Clean Water Act. (See section 122.61; in some cases, modification or revocation and reissuance is mandatory.)

- a. Transfers by modification. Except as provided in paragraph b of this section, a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued (under R.61-9.122.62(e)(2)), or a minor modification made (under R.61-9.122.63(d)), to identify the new permittee and incorporate such other requirements as may be necessary under CWA.
- b. Other transfers. As an alternative to transfers under paragraph a of this section, any ND permit may be transferred to a new permittee if:
 - (1) The current permittee notifies the Department at least 30 days in advance of the proposed transfer date in Part II.L.3.b(2) of this section;
 - (2) The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
 - (3) Permits are non-transferable except with prior consent of the Department. A modification under this subparagraph may also be a minor modification under section 122.63.

4. Monitoring reports

Monitoring results shall be reported at the intervals specified in the permit.

- a. Monitoring results (with the exception of any Annual Reporting requirements under section 503.18, section 503.28, section 503.48 or section 504.18) must be reported on a Discharge Monitoring Report (DMR) or forms provided or specified by the Department for reporting results of monitoring of sludge use or disposal practices.
 - (1) Effluent Monitoring:

Part II Page 13 of 28 Permit No. ND0086711

Effluent monitoring results obtained at the required frequency shall be reported on a Discharge Monitoring Report Form (EPA Form 3320-1). The DMR is due postmarked no later than the 28th day of the month following the end of the monitoring period. One original and one copy of the Discharge Monitoring Reports (DMRs) shall be submitted to:

S.C. Department of Health and Environmental Control Bureau of Water/Compliance Assurance Division Permit and Data Administration Section 2600 Bull Street Columbia, South Carolina 29201

(2) Groundwater Monitoring:

Groundwater monitoring results obtained at the required frequency shall be reported on a Groundwater Monitoring Report Form (DHEC 2110) postmarked no later than the 28th day of the month following the end of the monitoring period. One original and one copy of the Groundwater Monitoring Report Form (DHEC 2110) shall be submitted to:

S.C. Department of Health and Environmental Control Bureau of Water/Water Monitoring, Assessment and Protection Division Groundwater Quality Section 2600 Bull Street Columbia, South Carolina 29201

(3) Sludge, Biosolids and/or Soil Monitoring:

Sludge, biosolids and/or soil monitoring results obtained at the required frequency shall be reported in a laboratory format postmarked no later than the 28th day of the month following the end of the monitoring period. Two copies of these results shall be submitted to:

S.C. Department of Health and Environmental Control Bureau of Water/Water Pollution Control Division Water Pollution Enforcement Section 2600 Bull Street Columbia, South Carolina 29201

(4) All other reports required by this permit shall be submitted at the frequency specified elsewhere in the permit to:

S.C. Department of Health and Environmental Control Bureau of Water/Water Pollution Control Division Water Pollution Enforcement Section 2600 Bull Street Columbia, South Carolina 29201

b. If the permittee monitors any pollutant more frequently than required by the permit using test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in R.61-9.503, R.61-9.504, or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the Department.

c. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Department in the permit.

5. Twenty-four hour reporting

a. The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally to local DHEC office within 24 hours from the time the permittee becomes aware of the circumstances. During normal working hours call:

County	EQC Region	Phone No.	
Greenville	Region 2 – Greenville EQC Office	864-241-1090	

After-hour reporting should be made to the 24-Hour Emergency Response telephone number 803-253-6488 or 1-888-481-0125 outside of the Columbia area.

A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times; and, if the noncompliance has not been corrected, the anticipated time it is expected to continue and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

- b. The following shall be included as information which must be reported within 24 hours under this paragraph.
 - (1) Any unanticipated bypass which exceeds any effluent limitation in the permit. (See R.61-9.122.41(L)(6)(ii)(A).
 - (2) Any upset which exceeds any effluent limitation in the permit.
 - (3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the permit to be reported within 24 hours (See R 61-9.122.44(g)). If the permit contains maximum limitations for any of the pollutants listed below, a violation of the maximum limitations shall be reported orally to the DHEC/Bureau of Water/Water Pollution Control Division within 24 hours or the next business day.
 - (i) Total Residual Chlorine (TRC)
- c. The Department may waive the written report on a case-by-case basis for reports under Part II.L.5.b of this section if the oral report has been received within 24 hours.

6. Other noncompliance.

The permittee shall report all instances of noncompliance not reported under Part II.L.4 and 5 of this section and Part IV at the time monitoring reports are submitted. The reports shall contain the information listed in Part II.L.5 of this section.

Part II Page 15 of 28 Permit No. ND0086711

7. Other information.

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or information.

8. Domestic treatment works

All permittees must provide adequate notice to the Department of the following:

- a. Any new introduction of pollutants into the wastewater treatment facility (WWTF) from an indirect discharger which would be subject to sections 301 or 306 of CWA if it were directly discharging those pollutants; and
- b. Any substantial change in the volume or character of pollutants being introduced into that WWTF by a source introducing pollutants into the WWTF at the time of issuance of the permit.
- c. For purposes of this paragraph, adequate notice shall include information on:
 - (1) The quality and quantity of influent introduced into the WWTF, and
 - (2) Any anticipated impact of the change on the quantity or quality of effluent to be discharged from the WWTF.

All POTWs must provide adequate notice to the Department of the following:

- (1) Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to sections 301 or 306 of CWA if it were directly discharging those pollutants; and
- (2) Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
- (3) For purposes of this paragraph, adequate notice shall include information on:
 - (i) The quality and quantity of effluent introduced into the POTW, and
 - (ii) Any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

M. Bypass

1. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Part II.M.2 and 3 of this section.

2. Notice.

a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible, at least ten days before the date of the bypass to DHEC/Bureau of Water/Water Facilities Permitting Division.

b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Part II(L)(5) of this permit (24-hour reporting).

3. Prohibition of bypass

- a. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless:
 - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - (3) The permittee submitted notices as required under Part II.M.2 of this section.
- b. The Department may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the three conditions listed above in Part II.M.3.a of this section.

N. Upset

- Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of Part II.N.2 of this section are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
- 2. Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - a. An upset occurred and that the permittee can identify the cause(s) of the upset;
 - b. The permitted facility was at the time being properly operated; and
 - c. The permittee submitted notice of the upset as required in Part II.L.5.b(2) of this section.
 - d. The permittee complied with any remedial measures required under Part II.D of this section.
- 3. Burden of proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

O. Misrepresentation of Information

1. Any person making application for a ND permit or filing any record, report, or other document pursuant to a regulation of the Department, shall certify that all information contained in such document is true.

Part II Page 17 of 28 Permit No. ND0086711

All application facts certified to by the applicant shall be considered valid conditions of the permit issued pursuant to the application.

2. Any person who knowingly makes any false statement, representation, or certification in any application, record, report, or other documents filed with the Department pursuant to the State law, and the rules and regulations pursuant to that law, shall be deemed to have violated a permit condition and shall be subject to the penalties provided for pursuant to 48-1-320 or 48-1-330.



Part III. Limitations and Monitoring Requirements

- A. Effluent Limitations and Monitoring Requirements
 - 1. During the period beginning on the effective date of this permit and lasting through the last day of the month that the Approval to Place Into Operation is issued for the 0.12 MGD expansion, or lasting through the expiration date, whichever is earlier, the permittee is authorized to apply treated wastewater by drip irrigation. Such discharge shall be limited and monitored by the permittee as specified below:

	DISCHARGE LIMITATIONS					MONITORING REQUIREMENTS			
EFFLUENT CHARACTERISTICS	Pounds per Day		Other Units						
CHARACTERIOTICS	Monthly Average	Weekly Average	Monthly Average	Weekly Average	Daily Maximum	Measurement Frequency	Sample Type	Sample Point	
Flow			0.06 MGD	0.06 MGD		Daily	Continuous	Effluent	
Biochemical Oxygen Demand - 5 Day (BOD ₅)	2.5	3.75	5 mg/l	7.5 mg/l		Weekly	24 Hour Composite	Effluent	
Total Suspended Solids (TSS)	2.5	3.75	5 mg/l	7.5 mg/l		Weekly	24 Hour Composite	Effluent	
Ammonia Nitrogen (NH ₃ -N)	1.0	1.5	2 mg/l	3 mg/l		Weekly	24 Hour Composite	Effluent	
Nitrate Nitrogen (NO ₃ -N)	5.0	7.5	10 mg/l	15 mg/l	O	Weekly	24 Hour Composite	Effluent	
Fecal Coliform			200/100 ml		400/100 ml	Weekly	Grab	Effluent	
Dissolved Oxygen (DO)			1.0 m	<mark>g/l</mark> Mini <mark>m</mark> um at a	II times	Daily	Grab	Effluent	
PH			6.0	-8.5 Standard	Units	Daily	Grab	Effluent	

2. During the period beginning on the first day of the month after Approval to Place Into Operation is issued for the 0.12 MGD expansion and lasting through the expiration date, the permittee is authorized to apply treated wastewater by drip irrigation. Such discharge shall be limited and monitored by the permittee as specified below:

	DISCHARGE LIMITATIONS					MONITORING REQUIREMENTS		
EFFLUENT CHARACTERISTICS	Pounds per Day		Other Units					
OHARAGIERIONOG	Monthly Average	Weekly Average	Monthly Average	Weekly Average	Daily Maximum	Measurement Frequency	Sample Type	Sample Point
Flow			0.12 MGD	0.12 MGD		Daily	Continuous	Effluent
Biochemical Oxygen Demand - 5 Day (BOD ₅)	5.0	7.5	5 mg/l	7.5 mg/l		Weekly	24 Hour Composite	Effluent
Total Suspended Solids (TSS)	5.0	7.5	5 mg/l	7.5 mg/l		Weekly	24 Hour Composite	Effluent
Ammonia Nitrogen (NH ₃ -N)	2.0	3.0	2 mg/l	3 mg/l		Weekly	24 Hour Composite	Effluent
Nitrate Nitrogen (NO ₃ -N)	10.0	15.0	10 mg/l	15 mg/l	1	Weekly	24 Hour Composite	Effluent
Fecal Coliform			200/100 ml		400/100 ml	Weekly	Grab	Effluent
Dissolved Oxygen (DO)			1.0 m	g/l <mark>Minimum at</mark> a	II times	Daily	Grab	Effluent
PH			6.0 – 8.5 Standard Units		Daily	Grab	Effluent	
		e/						

B. Whole Effluent Toxicity Limitations and Monitoring Requirements

Not applicable to this permit.

C. Groundwater Requirements

No groundwater monitoring required

- D. Sludge Disposal Requirements
 - 1. Sludge Transportation and Disposal

Sludge solids will be removed from this facility and transported to the <u>WCRSA Taylors WWTP</u> (<u>SC0024309</u>) under the following conditions:

- a. All containers for sludge collection and transportation shall be structurally sound in every respect and shall be so constructed as to prevent leakage or spillage of any kind while in the process of pumping, storage, or transit.
- b. The total volume of waste transported shall not exceed the available capacity of the WWTP receiving sludge.
- c. The hauling of sludge may be revoked or suspended after notice and opportunity for a hearing when, in the opinion of the South Carolina Department of Health and Environmental Control, the Permittee has failed to comply with the permitting, hauling, transportation, or disposal requirements
- d. To the extent provided under Federal and State law, the Permittee is responsible for the handling, transportation, and disposal of all sludge from the various source(s) transported to the approved disposal site. This responsibility includes, but is not limited to spills, accidents, unauthorized leaks, or other hazards which may occur.

E. Land Application Requirements

1. During the period beginning on the effective date of this permit and lasting through the expiration date the treated wastewater is to be drip irrigated onto the 30.1 acres designated drip fields at an application rate not exceeding the following:

	Gross Area	Usable	Summer (N	Mar –Oct)	Winter (Nov – Feb)	
Area	(acre)	Area (acre)	Application rate (in/wk)	Flow (gpd)	Application rate (in/wk)	Flow (gpd)
Area 1A	16.0	16.0	2.25	139,392	2.0	123,904
Area 1B	1.30	1.30	2.25	11,326	2.0	10,067
Area 1C	3.50	3.50	2.25	30,492	2.0	27,104
Area 1D	6.73	6. 73	2.25	58,632	2.0	52,117
Area 1D-X	2.09	2.09	3.4	27,312	2.0	16,065
Area 1D-Y	0.48	0.48	3.4	6,273	2.0	3,690
Totals	30.1	30.1		273,427		232,947

- a. The net usable acres shall be adjusted as required based on the final drip irrigation layout. This may require reducing the total application area. However, the permittee is required to provide a net usable area no less than the design flow of 0.06 MGD or 0.12 MGD, depending on the phasing of the plant. The permettee shall be required to acquire additional drip irrigation site (approved by the Department), if the net flow falls below the permitted flow. If suitable land is not available, the wastewater design flow (Part III. A.) shall be reduced to reflect the flow available based on the final design.
- b. The buffer space between the land application site and adjacent properties will be 50 feet where the site slope is down toward the property line and 25 feet where the site slope is up toward the property line. The land application site shall be at least 100 feet from surface water. Additional buffers may be necessary based on the Department's review of the final design layout. The buffer for property lines are contingent upon receipt of acceptance by adjacent property owners, otherwise 100 foot buffer will be required.
- c. The land application site will be left forested and minimum vegetation removal will be conducted in order to preserve the natural conditions of the site soils.

F. Macroinvertebrate Assessment

Not applicable to this permit.



Part IV. Schedule of Compliance

A. Schedule(s)

- 1. The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedules: Not applicable to this permit.
- 2. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 10 days following each scheduled date



Part V. Other Requirements

- A. Effluent Limitations and Monitoring Requirements
 - 1. There shall be no discharge of floating solids or visible foam in other than trace amounts, nor shall the effluent cause a visible sheen on the land application site.
 - 2. a. Effluent samples taken in compliance with the monitoring requirements specified in Part III, shall be taken at the following location(s): nearest accessible point after final treatment but prior to actual discharge to the land application site.
 - b. Influent samples taken in compliance with the monitoring requirements specified in Part III, shall be taken at the following location(s): nearest accessible point prior to any primary treatment unit (e.g. after the bar screen and before primary treatment).
 - 3. Samples shall be collected in accordance with Part I.
 - 4. MR = Monitor and Report only.
 - 5. There shall be no ponding on the land disposal site, and the site must be properly maintained.
 - 6. The land disposal site must be operated to prevent runoff.
 - 7. The treated wastewater is to be spray irrigated onto the approved spray sites at an application rate not to exceed those listed in Part III.E.
- B. [Reserved]
- C. Groundwater Requirements

See Part III.C.

- D. Sludge Disposal Requirements
 - 1. Sludge Use and Disposal
- Drain a. The permittee shall comply with effluent standards and/or prohibitions established under Section 307(a) of the Clean Water Act (CWA) for toxic pollutants, standards for sludge use and disposal established in 40 CFR Parts 122, 123, 258, 501 and 503, under Section 405(d) of the CWA, and R.61-9.503 State Domestic Sludge Regulations, within the time provided in the regulations that establish these prohibitions or standards for sludge use or disposal, even if the ND permit has not yet been modified to incorporate the requirement.
 - b. The Permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
 - c. This permit may be modified to address any standard for sludge use or disposal promulgated under Section 405(d) and Section 503 of the Clean Water Act and R.61-9.503 State Domestic Sludge

Regulations or additional controls of a pollutant or practice not currently limited in this permit.

- d. It must be noted that 40 CFR Part 503 Standards for the Use or Disposal of Sewage Sludge, Federal Register Volume 58, No. 32, pages 9248 through 9415, dated February 19,1993, was effective March 22, 1993, and R.61-9.503 State Domestic Sludge Regulations was effective June 28, 1996 and continues in effect. The compliance with the Federal sludge regulations is directly enforceable as identified in 40 CFR Part 503.3. No person shall use or dispose of sewage sludge through any practice for which requirements are established except in accordance with 40 CFR Part 503. Any sludge disposal permits issued by the Department will remain in effect and all conditions and requirements will apply; however, this does not relieve the permittee from complying with the conditions of 40 CFR Part 503 or State Regulation 61-9.503.
 - 1. <u>Compliance with the standards</u> (40 CFR Part 503 and R.61-9.503) should have been achieved by <u>February 19,1994</u>, and this condition continues to be in effect.
 - 2. When <u>compliance</u> with the standard <u>required construction of new pollution control facilities</u>, compliance with the standards (40 CFR Part 503 and R.61-9.503) should have been achieved by <u>February 19, 1995</u>, and this condition continues to be in effect.
 - 3. All other requirements for the <u>frequency of monitoring</u>, <u>record keeping</u>, <u>and reporting</u> identified in 40 CFR Part 503 or R.61-9.503, was effective on July 20, 1993 and continue to be in effect.
 - 4. Class I sludge management facilities (includes but is not limited to all facilities with pretreatment programs, Publicly Owned Treatment Works (POTW) with a design flow rate equal to or greater than 1 Million gallons per day, and POTW's that serve 10,000 people or more) shall submit the following to EPA Region IV (USEPA Region IV, Clean Water Act Enforcement Section, Water Management Division, 61 Forsyth Street SW, Atlanta, GA 30303) with a duplicate copy to the Department:
 - a. The information in 40 CFR Part 503.17(a) except the information in §503.17(a)(3)(ii), 503.17(a)(4)(ii) and 503.17(a)(5)(ii), for the appropriate requirements on February 19 of each year.
 - b. The information in 40 CFR Part 503.17(a)(5)(ii)(A) through (a)(5)(ii)(G) on February 19 of each year when ninety (90) percent or more of any of the cumulative pollutant loading rates in Table 2 of §503.13 is reached at a site.

The requirements to send information to EPA Region IV will remain in effect until the State of South Carolina is delegated the sludge program under 40 CFR Part 123 or 40 CFR Part 501. The permittee is also required to send a copy of the information to the Department under the requirements of R.61-9.503.

e. Until such time as a specific federal sludge disposal permit is issued under the provisions of 40 CFR Part 503, the direct enforceability (§503.3(b)) of the sludge standards requires that the permittee shall not use or dispose of sewage sludge through any practice for which requirements are established in 40 CFR Part 503, except in accordance with those requirements. If the Department includes State sludge permit requirements under R.61-9.503, the conditions of that permit shall apply in addition to any requirements under 40 CFR Part 503.

- f. 1. The permittee must obtain prior Departmental approval of planned changes in the facility when the alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use of disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
 - 2. The sludge disposal permit may be modified or revoked and reissued if there are material and substantial alterations or additions to the permitted facility or activity (including a change or changes in the permittee's sludge use or disposal practice) which occurred after the permit issuance which justify the application of permit conditions which are different from or absent in the existing permit.
- g. The sludge disposal permit may be terminated if there is a change in any condition that requires either a temporary or permanent reduction or elimination of any discharge or sludge use or disposal practice controlled by the permit.
- h. Periodic inspections will be conducted by Department authorized representatives to ensure compliance with State regulations and permit stipulations. Any necessary modification to this permit may be based upon these evaluations.
- i. Records of monitoring required by the permits related to sludge use and disposal activities must be kept at least five (5) years (or longer as required by 40 CFR Part 503 or R.61-9.503).
- j. Sludge monitoring procedures shall be those specified in 1) R.61-9.503; 2) 40 CFR Part 503; 3) 40 CFR Part 136; or 4) other procedures specified in the sludge permit (in that order of "preference" depending on the availability and applicability of a particular method at the time the sludge permit is issued).
- k. The permittee must provide sludge monitoring results on a form(s) approved by the Department.
- I. The permittee shall submit the results of <u>all</u> sludge monitoring if done more frequently than required by the sludge permit. The permittee may be required to maintain specific records at the facility and on request may also be required to furnish them to the Department.
- m. The permittee should note that under 40 CFR 122.44(*I*), the "anti-backsliding" provision applies only to surface water dischargers. The "anti-backsliding" provision does <u>not</u> apply to sludge use and disposal activities.

2. Odor Control Requirements

The permittee shall use best management practices normally associated with the proper operation and maintenance of a sludge wastewater treatment site, any sludge storage or lagoon areas, transportation of sludges, and all individual activities permitted under R.61-9.503 to ensure that an undesirable level of odor does not exist.

a. The permittee is required to prepare an odor abatement plan for the sewage sludge treatment sites, any sludge storage or lagoon areas, and land application or surface disposal sites. It must be noted this state regulation that went into effect on June 27, 2003, and continues in effect, required permittees that land-apply sludge to prepare the plan by December 24, 2003. Otherwise, the

permittee had until June 27, 2004 to prepare the plan and this requirement remains in effect. The plan must have included the following topics:

- (1) Operation and maintenance practices which are used to eliminate or minimize undesirable odor levels in the form of best management practices for odor control.
- (2) Use of treatment processes for the reduction of undesirable odors;
- (3) Use of setbacks.
- (4) Contingency plans and methods to address odor problems for the different type of disposal/application methods used.
- b. Unless otherwise requested, prior to issuance of a new or expanded land application disposal permit (either NPDES or ND), the Department may review the odor abatement plan for compliance with this Part (503.50). The Department may require changes to the plan as appropriate.
- c. No permittee may cause, allow, or permit emission into the ambient air of any substance or combinations of substances in quantities that an undesirable level of odor is determined to result unless preventative measures of the type set out below are taken to abate or control the emission to the satisfaction of the Department. When an odor problem comes to the attention of the Department through field surveillance or specific complaints, the Department may determine, in accordance with section 48-1-120 of the Pollution Control Act, if the odor is at an undesirable level by considering the character and degree of injury or interference to:
 - (1) The health or welfare of the people;
 - (2) Plant, animal, freshwater aquatic, or marine life;
 - (3) Property; or
 - (4) Enjoyment of life or use of affected property.
- d. After determining that an undesirable level of odor exists, the Department may require:
 - (1) the permittee to submit a corrective action plan to address the odor problem,
 - (2) remediation of the undesirable level of odor within a reasonable timeframe, and
 - (3) in an order, specific methods to address the problem.
- e. In accordance with R.61-9.503.50(e), if the permittee fails to control or abate the odor problems addressed in this section within the specified timeframe, the Department may revoke disposal/application activities associated with the site or the specific aspect of the sludge management program.

E. Land Application

See Part III.E.

F. Pretreatment

- 1. Pretreatment Regulations and Program Requirements
 - a. All industrial users which discharge wastewater into the Permittee's system are required to comply with pretreatment provisions of the Act, as set forth in the General Pretreatment Regulations, 40 CFR Part 403, promulgated thereunder, the approved State Pretreatment Program (R.61-9.403), and the permittee's approved pretreatment program.
 - b. This permit shall be modified, or alternatively revoked and reissued, to incorporate an approved POTW Pretreatment Program.
 - c. Any application for authority to revise categorical pretreatment Standards to reflect POTW removal of pollutants in accordance with the requirements of 40 CFR 403.7 must be submitted to the Department at the time of application for POTW pretreatment program approval or at the time of permit expiration and reissuance thereafter.

2. Prohibited Discharges

In accordance with 24 S.C. Reg. Ann. § 61-9.403, the Permittee shall prohibit in its sewer use ordinance and pretreatment program regulations (if a pretreatment program is approved by the Department) the discharge of pollutant(s) into its treatment works by any non-domestic source(s), if such pollutant(s) may inhibit or interfere with the operation or performance of the works. Further, the Permittee shall prohibit in its sewer use ordinance and pretreatment program regulations (if a pretreatment program is approved by the Department) the introduction of the following pollutants into its treatment works:

- a. Pollutant(s) which create a fire or explosion hazard in the POTW, including, but not limited to, wastestreams with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21.
- b. Pollutant(s) which will cause corrosive structural damage to the POTW, but in no case discharges with pH lower than 5.0, unless the works is specifically designed to accommodate such discharges.
- c. Solid or viscous pollutant(s) in amounts which will cause obstruction to the flow in the POTW resulting in interference.
- d. Any pollutant, including oxygen demanding pollutants, (BOD, etc.), released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW.
- e. Heat in amounts which will inhibit biological activity in the POTW resulting in Interference, but in no case heat in such quantities that the temperature at the POTW Treatment Plant exceeds 40°C (104°F) unless the Department, upon request of the POTW, approves alternate temperature limits.
- f. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through.
- g. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems.

h. Any trucked or hauled pollutants, except at discharge points designated by the POTW.

Upon development of specific limits for these pollutant categories, either in an approved POTW Pretreatment Program or otherwise, such limits shall be deemed prohibitions for the purpose of Section 307(d) of the Act and shall be enforceable in lieu of the general prohibitions set forth above.

G. Additional Operational Requirements

- 1. The wastewater treatment plant is assigned a classification of <u>Group III-B (Biological)</u> in the Permit to Construct which is issued by the Department. This classification corresponds to an operator with a grade of B.
- 2. The wastewater treatment plant is assigned a Reliability Classification of <u>Class III</u>, in accordance with Section 67.400 "Reliability Classifications" of the Standards for Wastewater Facility Construction: R.61-67.
- 3. For parameters with a sample frequency of once per month or greater, the Permittee shall monitor (at least one sample) consistent with conditions established by this Permit on the first (1st) Thursday of every calendar month, unless otherwise approved by the Department. (For example; with a once per week (01/07) sampling frequency, the permittee shall monitor one weekly sample on the day of the week noted during the monthly DMR reporting period.)

For parameters with a sampling frequency of less than once per month (if any), the permittee shall monitor these parameters on specific date noted above on any of the months during the appropriate reporting period unless otherwise approved by the Department. (For example, with a once per quarter (1/90) sampling frequency, the permittee may monitor on the day of the week noted in either the first, second or third month in the quarterly reporting period.)

For parameters requiring multiple samples for a single test the Permittee may collect the samples on any date during the reporting period, unless otherwise approved by the Department. The permittee must notify the Department of the planned sampling dates upon request.

In accordance with R.61-9.122.41(j)(1)(iii), the Department may waive compliance with the permit requirement for a specific sampling event for extenuating circumstances. Additional monitoring, as necessary to meet the frequency requirements of this Permit (Part III.A., III.B., and III.C., if applicable) shall be performed by the Permittee.